

PROPOSED FRAMEWORK FOR PRESENTATION OF ALTERNATIVES

2020 Peninsula Gateway Corridor Study

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September 28, 2005

A proposed framework for presentation of alternatives was prepared based on feedback from C/CAG staff and the TAC and PAC members. The following points highlight the skeleton elements of the framework. While the evaluation must be done to generate findings to “fill in” the framework, it is important to air the proposed elements and get feedback first, to help guide the evaluation.

The intent is to provide a general *qualitative* (+ - 0) comparison of the relative measures of effectiveness for all of the alternatives (the “universe”), and a separate *quantitative* presentation of the measures of effectiveness for the specific alternatives that were studied in more detail.

Categories

To ease review and interpretation, the alternatives will be grouped by category and presented on separate matrices by category. The following categories, consistent with past groupings, are proposed.

- Highway 101
- Dumbarton Bridge to Highway 101
- Willow Road
- University Avenue
- Complementary ITS Elements
- Other Potential Improvements Noted by Public and Others

Measures of Effectiveness

The intent of the presentation is to build a matrix for each category that lists the alternatives down the left side, and lists a city reference (i.e. the city(ies) the alternative is in) and measures of effectiveness along the top. The following measures of effectiveness are proposed.

- Construction
 - Cost (hard and soft costs) (range of 2005 dollars)
 - Right-of-Way
 - Property acquisition
 - Relocation of occupants required?
 - Utility relocation required?
 - Complexity (qualify high/medium/low)
- Traffic Operations
 - System Performance
 - Average speed

PROPOSED FRAMEWORK FOR PRESENTATION OF ALTERNATIVES (Cont'd)

- Vehicle hours of delay (VHD)
- Vehicle miles of travel (VMT)
- Emissions
- Spot Performance
 - Level of Service (LOS)
 - Do queues block upstream?
 - Affect on commute traffic on residential streets ?
- Environmental
 - Land use
 - Geology
 - Hydrology
 - Biology
 - Cultural
 - Hazardous Materials
 - Noise
 - Visual
- Other
 - Is the alternative context sensitive?
 - Does the alternative influence non-auto travel demand?

Again, the intent is to present all of the alternatives by category and compare their relative performance with respect to the measures of effectiveness, using the following symbols.

- + Positive
- Negative
- 0 Null
- [] Unknown, need to evaluate (this would be a blank cell)

Finally, the alternatives studied in greater detail would be presented in a separate section with specific numerical or descriptive entries under each measure of effectiveness, supported by additional data, analysis, and descriptive text.